Sears

owners manual

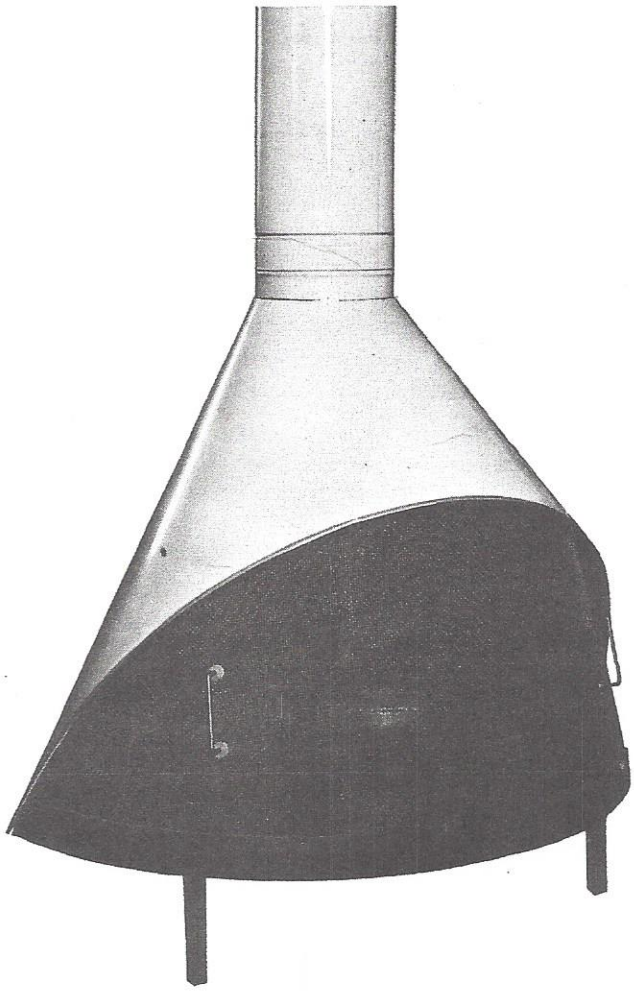
MODEL NO.
155.842461
155.842823
155.842833
155.842893
155.842913

CAUTION:
Read All Instructions Carefully Before Starting The Installation

Do Not Use This Fireplace In A Mobile Home or Recreational Vehicle.

Save This Manual For Future Reference

CONTEMPORARY FIREPLACE



- Installation
- Operation
- Repair Parts

Sears, Roebuck and Co., Chicago, Ill. 60684 U.S.A. and Simpsons-Sears Limited, Toronto

Printed in U.S.A.

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introduction

Please read our instructions before you install and use your new FIREPLACE. This will help you obtain the full benefits from your FIREPLACE. This will also help you avoid any needless service costs that result from causes we cannot control.

SEARS AMERICAN CONTEMPORARY FIREPLACE

FULL ONE YEAR WARRANTY ON THE FUNCTIONING OF ALL PARTS EXCEPT GLASS PARTS

If, within one year from the date of installation, any part, other than a glass part, fails to function properly due to a defect in material or workmanship, Sears will repair or replace it, free of charge.

FULL 30-DAY WARRANTY ON GLASS PARTS AND FINISH OF PORCELAIN ENAMEL OR OTHER METAL FINISHED PARTS

If, within 30 days from the date of installation, any glass part or the finish on any porcelain enamel or other metal part is defective in material or workmanship, Sears will replace the part, free of charge.

Service under these warranties is available by simply contacting your nearest Sears Store or Service Center throughout the United States.

SEARS, ROEBUCK and CO.

If you want your FIREPLACE professionally installed, contact your SEARS SALESMAN. HE will arrange for prompt, quality installation by SEARS AUTHORIZED INSTALLERS.

SEARS INSTALLATION POLICY

All installation labor arranged by Sears shall be performed in a neat, workmanlike manner in accordance with generally accepted trade practices. Further, all installation shall comply with all local laws, codes regulations, and ordinances. The customer shall also be protected during installation, by insurance relating to Property Damage, Workmen's Compensation and Public Liability.

SEARS INSTALLATION GUARANTEE

In addition to any warranty extended to you on the Sears merchandise involved, which warranty becomes effective the date the merchandise is installed. Sears guarantees all Sears-arranged installations, as follows: Should the workmanship prove faulty within one year, Sears will upon notice from you, cause such faults to be corrected at no additional cost to you.

rules for safe installation and operation

1. Read these rules and the instructions carefully. Failure to follow them could cause malfunction of the fireplace. This could result in death, serious bodily injury, and/or property damage.
2. Check your local codes. The installation must comply with their rulings.
3. Do not install this fireplace in a mobile home or recreational vehicle.
4. Always connect this fireplace to a chimney and vent to the outside. Never vent to another room or inside a building.
5. Make sure the chimney is high enough to give a good draft. Keep the chimney and pipe clean inside to avoid blockage. Otherwise smoking will result.
6. Always open damper before lighting fire.
7. Keep the ashpit section free of excess ashes. Failure to do so will cause grate warpage and burn out.
8. To maintain top efficiency, the fireplace should be cleaned periodically. The inside of the hood canopy should also be cleaned. Use a mild detergent for cleaning painted surfaces.
9. Provide air for combustion from the outside into the room where the fireplace is located. If the intake is not in the same room, the air must have free access to the room.

assembly

Unpack the Fireplace. Remove all parts and check against this list:

1 Fireplace
3 Legs
1 Pipe (37" Length)
1 Pipe (27" Length)
1 Firescreen
1 Grille Support

Install Legs

The three legs bolt to bottom of fireplace with 2 bolts and nuts each (¼" - 20 x ½") provided. NOTE: Place the one leg with Model No. on it in center rear, with number facing toward rear of fireplace.

Install grille support for grille if required. Attach to fireplace base with 2 bolts and nuts (¼" - 20 x ½") provided. (See parts diagram for location.)

locating your fireplace

As a location is selected keep the following in mind:

1. The flue connection should be as short as possible. The fireplace should have its own chimney. No other appliance should be connected to the chimney. If there is no chimney near where you wish to place the fireplace, you can use a Sears Prefabricated All-Fuel Chimney. See your Sears Salesman.
2. Refer to Figs. 1 and 2 for clearances which MUST BE observed for safe operation of the fireplace. If you have a solid brick or stone wall behind your fireplace you can place the fireplace as close as you wish to the wall. If the wall is only faced with brick or stone, check your local code for the correct clearances.
3. The floor should be level and fireproof. If your floor is not fireproof, a fireproof base must be used. Two inch thick concrete patio blocks are ideal. They are available at your local building supply dealer. The base must extend 48" from the rear of the fireplace to the front and 12" to each side.

Heat Shield Kit

The 36" clearance to combustible back and side walls can be reduced to 24" if you use heat shield kit, stock no. 42-84003. The kit consists of additional shields easily attached to the screen, base and hood.

If local codes require ICBO approval, the addition of the 42-84003 Heat Shield Kit qualifies the fireplace for approval by the International Congress of Building Officials (ICBO).

installation

Connect your fireplace to a masonry chimney having at least an 8" x 8" flue liner. If a chimney is not near the fireplace location, you can install a Sears Type "A" ALL FUEL CHIMNEY (Fig. 4). This chimney is especially made for Sears Fireplaces. It has a stainless steel liner 8" in diameter. It is the same size as your fireplace vent pipe. A "How To Install" booklet for Fireplaces and All Fuel Chimneys is available. Order Catalog No. 39 H-7480 or ask for it at the Plumbing and Heating Department at your local Sears Store.

WARNING

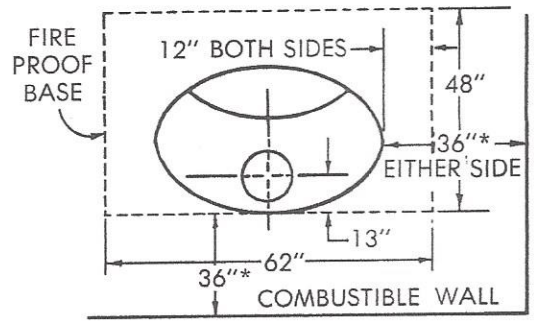
Never connect a wood burning fireplace to an aluminum Type B gas vent. This is not safe and is prohibited by the National Fire Protection Association Code. If connecting to a prefabricated chimney be sure it is a Type "A" ALL-FUEL CHIMNEY having a stainless steel liner. The liner must be at least 8" in diameter. The Type "A" ALL-FUEL CHIMNEY must be used even if gas logs are used.

Condensation

In cold climates, warm, moist house air escaping through the fireplace damper can cause condensation to form on the cold, inside walls of a metal chimney. This can cause water to drip into the fireplace. This occurs when the fireplace is not in use. Keeping the damper closed when there is no fire will help prevent this.

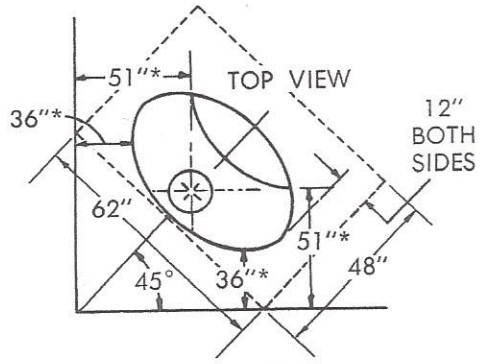
Metal prefabricated chimneys, perform well if properly installed. The following precautions must be observed:

FIG. 1 Required Clearances Top View



Side Wall Installation
*Minimum Dimensions are Shown

FIG. 2 Required Clearances Side View



Corner Installation

1. Make all chimney sections absolutely vertical. Do not allow any pipe or chimney sections to be cocked.
2. The installation shown in Fig. 4 will avoid the problem of condensation. The elbow to the outside and the insulated tee offset the chimney. Any condensation stays outside the house.

The fireplace pipe is designed to fit inside the pipe beneath it. This prevents any condensation or residue from leaking out the joints and staining the outside of the pipe.

Use the furnace cement supplied to seal all connections. Allow cement to dry 24 hours before using fireplace.

A more finished installation can be made by using the optional finishing collar which matches the fireplace color. This gives a finished appearance where the fireplace chimney enters the ceiling box of the Sears prefabricated chimney.

Connecting Fireplace to Existing Masonry Chimney (Fig. 3)

1. Set fireplace in position on fireproof base.
2. Place 27" pipe in fireplace top outlet.
3. Place crimped end of elbow in top of 27" pipe.
4. With pipe and elbow in proper position, measure distance from floor to locate thimble in chimney. Horizontal pipe should slant upward slightly.
5. Cement thimble in chimney. Place optional collar over horizontal (37") pipe. Connect pipe to thimble and elbow. Pipe should slant upward slightly. It must not extend into the chimney liner. If it is too long see "Cutting Pipe" on page 4.

installation

Connecting Fireplace to Sears Prefab Chimney (Through the Wall Installation) (Fig. 4)

1. Set fireplace in position on fireproof base.
2. Place 27" pipe in fireplace top outlet.
3. Place crimped end of elbow in top of 27" pipe.
4. With pipe and elbow in proper position, place optional collar over horizontal (37") pipe. Connect horizontal pipe to elbow and chimney. Pipe should slant upward slightly. If pipe is too long see "Cutting Pipe" on this page.
5. Install prefab chimney carefully, according to instructions with chimney.

Venting Into Ceiling Installation of Sears Prefabricated Fireplace Chimney (Fig. 4)

Your fireplace includes two lengths (27" and 37") of pipe. The pipe will extend up into a Sears prefabricated chimney where the ceiling height is 8 feet.

If the ceiling is more than 8' high, additional 24" lengths of pipe will be required and are sold separately.

The 27" long pipe with damper is installed on fireplace top outlet with the outside bead end, inside fireplace top opening.

The 37" long pipe plain end will slip up inside the Sears prefabricated chimney. The other end will fit in the 27" pipe. (If extra lengths of 24" pipe are needed, install them between the 27" and 37" pipes.)

It is not necessary to cut any pipe on this installation.

Be sure that you have at least 18" of clearance between the horizontal piping and the ceiling. (Figs. 3 and 4.)

Cutting Pipe

If necessary to cut pipe, wrap 2" wide masking tape at the place to be cut. Draw a line on masking tape completely around pipe. Use a hack saw with fine tooth blade (20 to 24 teeth per inch). Tape will prevent flying chips. However, it is good practice to wear glasses or face mask to protect eyes.

FIG. 4 Using A Sears Prefab Chimney

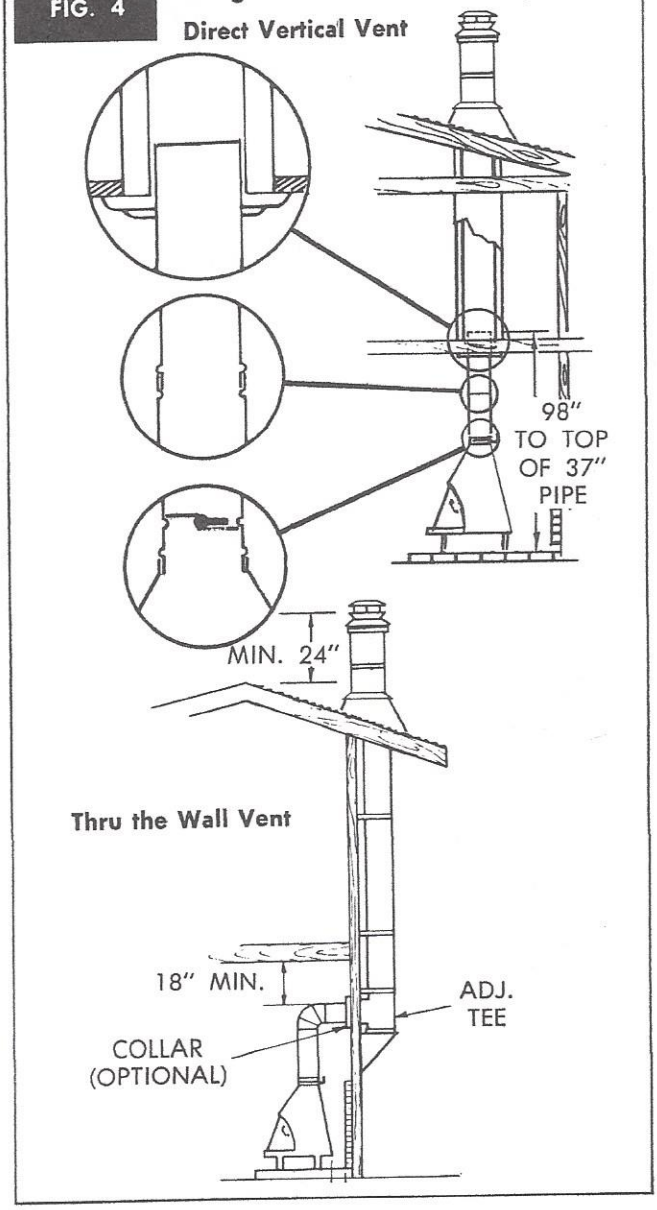
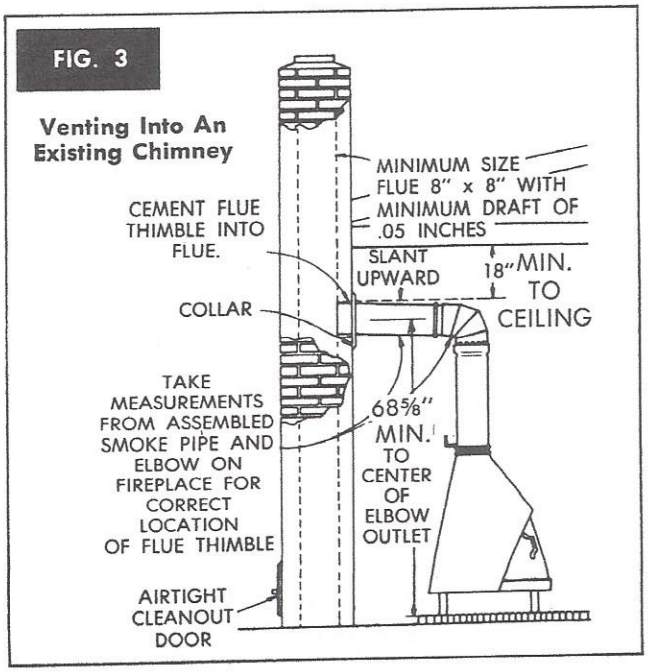
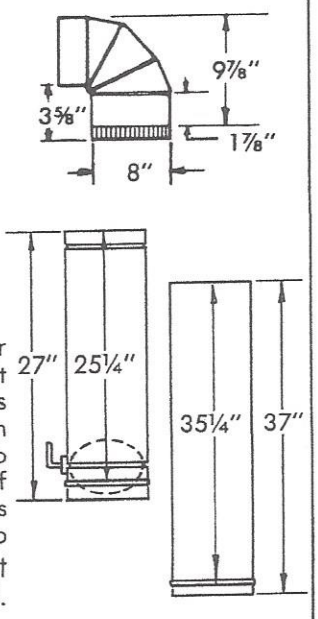


FIG. 3


Venting Into An Existing Chimney
MINIMUM SIZE FLUE 8" x 8" WITH MINIMUM DRAFT OF .05 INCHES
CEMENT FLUE THIMBLE INTO FLUE.
SLANT UPWARD
18" MIN. TO CEILING
COLLAR
TAKE MEASUREMENTS FROM ASSEMBLED SMOKE PIPE AND ELBOW ON FIREPLACE FOR CORRECT LOCATION OF FLUE THIMBLE
68⅝" MIN. TO CENTER OF ELBOW OUTLET
AIRTIGHT CLEANOUT DOOR

Pipe Dimensions

FIG. 5



8", 90° Non-Adjustable Elbow

27" Long Tapered Pipe With Damper
Do Not Cut This Pipe

37" Long Straight Pipe
Use this section to enter chimney. This pipe, as it slides into chimney does not need to be cut when used with a Sears Prefab Chimney. However, if your installation requires cutting it can be cut to any length. Be sure to cut off only the plain end.

Installing Gas Logs in Contemporary Fireplace

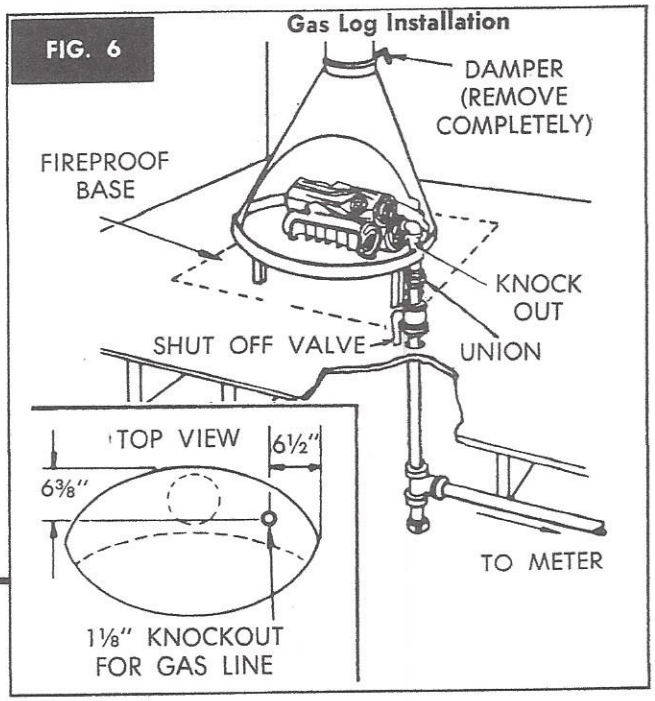
Gas logs are available in 20" lengths (Oak or Birch) with fire basket. Fireplace **must** be vented and provisions for combustion air into room where fireplace is installed must be provided.

Knock out plug in hole in base where gas line will enter. Place gas log in position in fireplace. Run gas line from meter into fireplace and connect to gas log. Shut off valve must be placed in line before fireplace.

NOTE

The fireplace damper must be removed in all gas log installations.

FIG. 6



operation

To Build a Fire

1. Remove screen by lifting up until bottom edge clears fireplace front edge. Turn screen slightly, then pull one corner forward. Then remove.
2. Open damper completely. When handle is in line with pipe, damper is fully open. Handle across pipe indicates damper is closed. Damper must be fully open anytime there is heat in the fireplace.
3. Be sure grate (sold separately) is placed far back in fireplace. Place several crumpled pieces of paper on grate. Cover grate with small pieces of kindling wood.
4. Light another piece of crumpled paper and hold high inside the hood. This will warm the flue, start the fireplace "drawing."
5. Light the paper in the grate. As the kindling catches, add more or heavier wood until fire is burning well. Be careful not to "smother" fire.
6. If charcoal or coal is to be used, it may be added now slowly.
7. Replace firescreen and keep it in place except when adding fuel. Be sure it rests in the brackets inside the front edge of the fireplace.

WARNING

Charcoal requires a constant supply of fresh air. Leave a door or window partially open. Be sure all ashes are cold before closing damper or window. Drown with water if necessary to be sure.

When the fire has gone completely out, close damper to prevent excess heat loss up the chimney. If the damper is not closed, it may result in increased heating bills.

Charcoal Fires

A charcoal fire may be used for broiling or grilling food. The damper must be fully open to allow smoke and grease fumes to escape.

WARNING

Never use flammable liquids indoors to light your fire.

Synthetic logs may be burned in this fireplace. Most logs have instructions printed on the wrapper. These instructions must be followed. One, two hour "wax type" log may be burned at a time with satisfactory results. Three hour logs are not recommended. Do not break synthetic logs into pieces or use them with regular firewood. This will create excessive heat.

If Fireplace Smokes, Check the Following

A. Incorrect Chimney

1. Chimney should extend at least 3 feet above the highest point where it passes through the roof. It should also be at least 2 feet higher than any portion of the building horizontally within 10 feet.
2. The fireplace chimney should have no other appliances attached to it. All unused openings and the clean-out door at the chimney base should be sealed.
3. The draft or "drawing" of the fireplace is fully dependent on the chimney. A chimney must be high and warm enough to provide draft. Adding chimney height should improve draft.

B. Air Supply

1. A tightly constructed home with well fitting windows, weather stripping and storm sash has little air infiltration. No air will move up a chimney unless air enters the room containing the fireplace. A tight house should have a fresh air inlet of at least 75 square inches. If there is no air intake in the room with the fireplace, air must be provided through open windows and doors when the fireplace is operating.
2. Ventilating fans move large volumes of air. If normal air infiltration is not great enough to satisfy the needs of a fireplace AND ventilating fan, air will be drawn down the chimney creating a smoking condition. The fresh air intake must provide enough for both.
3. A furnace or boiler also requires an air supply for proper burning. This air must be provided in addition to the fireplace and other needs.

operation

C. Helpful Hints

1. Starting a fire in a cold room tends to produce smoke while the chimney is cold. When the chimney warms up, the smoking should stop.
2. Fires should be built to the rear of the unit.
3. When adding fuel make sure that the damper is open.
4. The use of the grate basket promotes a better fire and minimizes smoke.

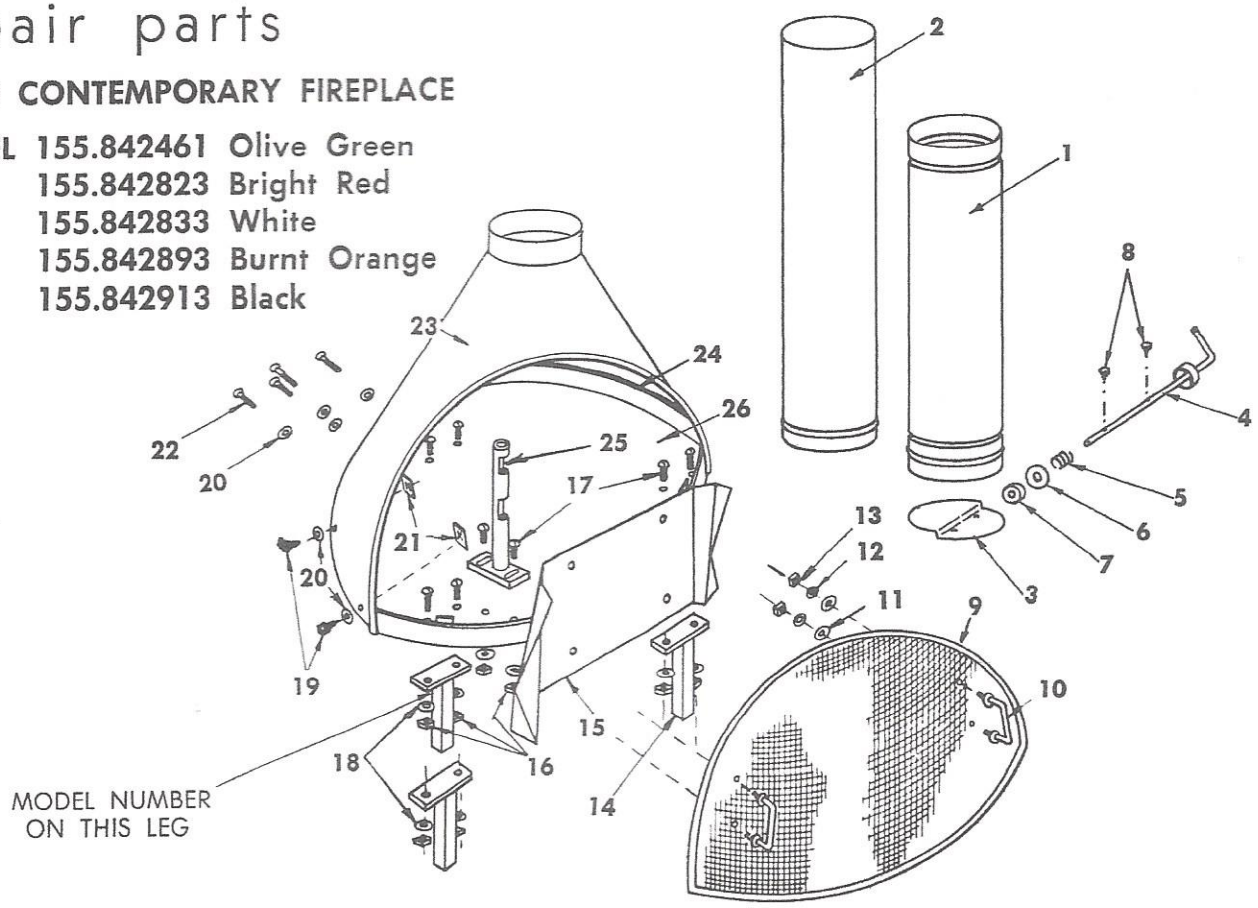
D. Other Conditions

1. Pipe inserted too far into chimney opening.
2. Pipe obstructed with soot.

repair parts

SEARS CONTEMPORARY FIREPLACE

MODEL 155.842461 Olive Green
155.842823 Bright Red
155.842833 White
155.842893 Burnt Orange
155.842913 Black



PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	Y14042-2	Smoke Pipe (27") Bright Red	13	STD541010	*#10 - 24 Nut (4 Req.)
1	Y14042-4	Smoke Pipe (27") White	14	Y11686	Leg (3 Req.)
1	Y14042-3	Smoke Pipe (27") Olive Green	15	Y12005	Shield
1	Y14042-1	Smoke Pipe (27") Burnt Orange	16	STD541025	*¼" - 20 Nut (8 Req.)
1	Y14042	Smoke Pipe (27") Black	17	STD512505	*¼" - 20 x ½" Bolt (8 Req.)
2	T18739-2	Smoke Pipe (37") Bright Red	18	STD551125	*¼" Lockwasher (8 Req.)
2	T18739-4	Smoke Pipe (37") White	19	STD511007	*#10 - 24 x ⅝" Bolt (7 Req.)
2	T18739-3	Smoke Pipe (37") Olive Green	20	K7928	#10 Asbestos Washer (11 Req.)
2	T18739-1	Smoke Pipe (37") Burnt Orange	21	K1850	*#10 Speed Nut (7 Req.)
2	T18739	Smoke Pipe (37") Black	22	STD611007	*#10 x ⅝" Screw (4 Req.)
3	T16891	Damper	23	T18693-2	Hood, Bright Red
4	Y12579	Damper Rod	23	T18693-4	Hood, White
5	K14364	Spring	23	T18693-3	Hood, Olive Green
6	K2373	Washer	23	T18693-1	Hood, Burnt Orange
7	Z3393	Spacer	23	T18693	Hood, Black
8	STD610805	*#8 x ½" Screw	24	K13833	Seal, Base to Hood
9	Y11751	Fire Screen	25	Y12006	Grille Support
10	K14995	Handle (2 Req.)	26	Y12002	Base
11	STD551010	*#10 Washer (8 Req.)	‡	F3118-1	Owners Manual (F642-15274)
12	STD551110	*#10 Lockwasher (4 Req.)			

‡ Not Illustrated.

* Standard Hardware—Procure Locally.

repair parts

SEARS CONTEMPORARY FIREPLACE

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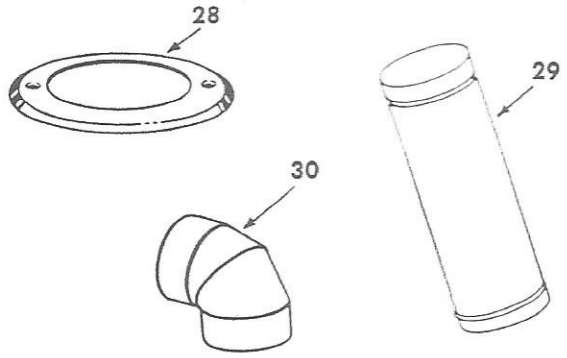
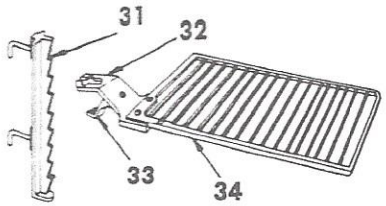
optional accessories

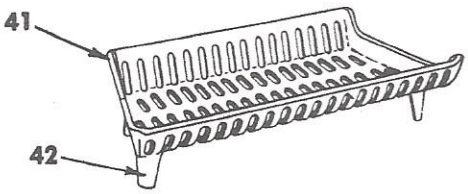


KEY NO.	PART NO.	DESCRIPTION
28	84032	Collar, 8" Dia., Bright Red
28	84033	Collar, 8" Dia., White
28	84276	Collar, 8" Dia., Olive Green
28	84039	Collar, 8" Dia., Burnt Orange
28	8403	Collar, 8" Dia., Black
29	84082	Smoke Pipe (24") Bright Red
29	84083	Smoke Pipe (24") White
29	84256	Smoke Pipe (24") Olive Green
29	84089	Smoke Pipe (24") Burnt Orange
29	8408	Smoke Pipe (24") Black
30	84092	Elbow, 8" Dia., Bright Red
30	84093	Elbow, 8" Dia., White
30	84266	Elbow, 8" Dia., Olive Green
30	84099	Elbow, 8" Dia., Burnt Orange
30	8409	Elbow, 8" Dia., Black



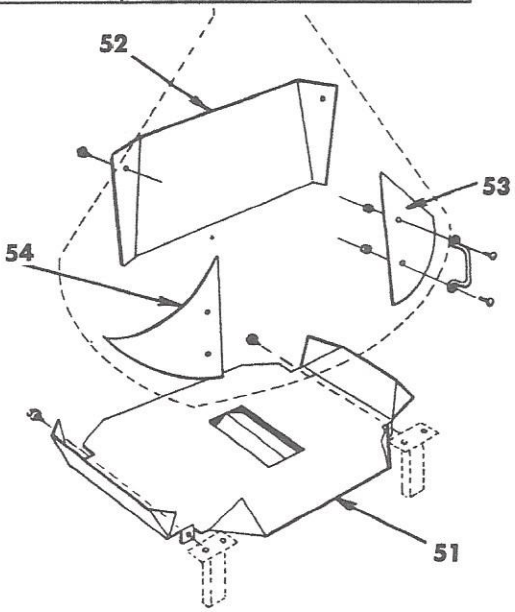
84019 — BARBECUE GRID

KEY NO.	PART NO.	DESCRIPTION
31	3016	Support
32	3017	Arm
33	3018	Leg
34	3019	Grill



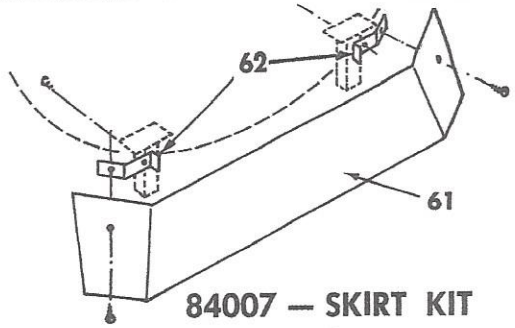
84028 — GRATE

KEY NO.	PART NO.	DESCRIPTION
41	K13793	Grate Body
42	5168	Leg (4 Req.)



84003 — HEAT SHIELD KIT

KEY NO.	PART NO.	DESCRIPTION
51	Y12010	Floor Shield
52	T16213	Inner Shield
53	T16214	Right Shield
54	T16215	Left Shield



84007 — SKIRT KIT

KEY NO.	PART NO.	DESCRIPTION
61	T16795	Skirt
62	T16794	Bracket (2 Req.)